

EDR Agenda – DFBX Feedboxes
14 March 2001
CERN – LHC Auditorium

- 09:00 ***Design Review Committee Planning Session*** – P. Pfund
- Confirmation of Agenda and Schedule
 - Remarks on Wrap-up and Closure of EDR
- 09:10 ***Overview*** – W. Turner
- CDR & IDR (*results and status of action items*)
- 09:25 ***Engineering Overview*** – J. Zbasnik
- Engineering Requirements (*DFBX Functional Specification*)
 - Cryogenic network (*Flow schematic*)
- 09:45 ***Introduction to the Design*** – J. Zbasnik / M. Knolls
- External Features (*3-D models*)
 - Interfaces to Q3, D1 (cold & warm), QRL
 - Current leads (HTS & correctors)
 - Signal connectors
 - Survey locations
 - Hoist rings, jacks & tiedowns
 - Internal Features (*3-D models*)
 - Hatch cover
 - Thermal shield
 - Piping
 - Liquid helium vessel
 - Lambda plates
- 10:45 ***Break***
- 11:15 ***Interfaces Overview*** – C. Corradi
- Q3 Quadrupole (*ES-210: LQX cryo-assembly*)
 - D1 Dipole (*ES-230: LBX cryo-assembly*)
 - Main Power (*ES-250: connections to HTS leads*)
 - Diagnostic Signals & Controls (*ES-270: diagnostic signals, controls and feedthroughs*)
 - Installation & Alignment (*ES-260: Transportation, Installation, Alignment, special equipment and procedures*)
- 12:30 ***Lunch***

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- 14:00 ***Interface Overview (continued)*** – J. Zbasnik
- QRLS (*ES-240: cryogenic connections, jumpers*)
 - Cold Bore (*ES-220: beam screen, cooling*)
 - Warm Gas (*ES-280: warm GHe recovery*)
- 14:30 ***Design and Analysis*** – C. Corradi / M. Knolls / R. LaMantia
- Vacuum box & LHe vessel
 - Cryogenic piping
 - Thermal shields
- 15:15 ***R&D Details*** – J. Zbasnik / M. Knolls
- Heat loads
 - Current leads (*vendor design, status of fabrication, plans for testing*)
 - Lambda plate (*current design, prototype and testing*)
- 16:00 ***Break***
- 16:30 ***Discussion of Reviewer Comments*** – P. Pfund
- 17:15 ***Conclusion*** – J. Strait
- 17:30 ***Adjourn***